9/30/83
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American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 For Week Ended *SEPTEMBER* 23, 1983 **NO.** 38

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 09/23/83	Last Week Ending: 09/16/83	Last Year Week Ending: 09/24/82		Change From Last Week		Change From Last Year
Refinery Operations							
Input to crude oil distillation units *	12,785	13,095	12,637	-	310	+	148
Operable capacity	16,294	16,294	17,382		0	-	1,088
Percent operated	78.5	80.4	72.7				
Motor Gasoline							
Total motor gasoline production	6,599	6,821	6,603	-	222	-	4
Finished leaded motor gasoline production	3,005	3,021	*N/A*	-	16		*N/A*
Finished unleaded motor gasoline production	3,594	3,800	*N/A*	-	206		*N/A*
Total motor gasoline stocks	230,131	229,304	234,015	+	827	-	3,884
Finished leaded motor gasoline stocks	97,926	98,167	*N/A*	-	241		*N/A*
Finished unleaded motor gasoline stocks	92,684	92,176	99,525	+	508	-	6,841
Distillate Fuel Oil							
Distillate fuel oil production	2,735	2,713	2,607	+	22	+	128
Distillate fuel oil stocks	154,205	149,362	165,970	+	4,843	-	11,765
Residual Fuel Oil							
Residual fuel oil production	776	813	1,168	-	37	-	392
Residual fuel oil stocks	48,300	47,148	57,277	+	1,152	-	8,977
Imports							
Crude oil imports	4,294	4,018	4,125	+	276	+	169
Product imports	2,034	1,742	1,305	+	292	+	729
Crude Oil Stocks							
Crude oil stocks	347,554	349,384	346,793	-	1,830	+	761

*Scheduled and unscheduled shutdowns caused decreases of 99,000 bbl. per day in the Texas Gulf Coast District and 136,000 bbl. per day in the Louisiana Gulf Coast District.

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 457-7147.

NA-Not Available

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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,242	1,067	1,119	1,229	91.0
Appal. No. 1	91	85	85	177	48.0
DISTRICT 1 TOTAL	1,333	1,152	1,204	1,406	85.6
Appal. No. 2	66	62	63	66	95.5
Ind., Ill., Ky.	2,054	1,904	1,981	2,345	84.5
Minn., Wis., Daks.	301	292	303	296	102.4
Okla., Kans., Mo.	679	608	636	827	76.9
DISTRICT 2 TOTAL	3,100	2,866	2,983	3,534	84.4
Inland Texas	536	475	490	585	83.8
Texas Gulf Coast	3,535	3,059	3,151	3,907	80.7
La. Gulf Coast	2,105	1,989	2,021	2,875	70.3
N. La. and Ark.	192	176	187	286	65.4
New Mexico	98	77	79	105	75.2
DISTRICT 3 TOTAL	6,466	5,776	5,928	7,758	76.4
DISTRICT 4 TOTAL	419	443	454	536	84.7
DISTRICT 5 TOTAL	2,163	2,135	2,216	3,060	72.4
TOTAL U.S.	13,481	12,372	12,785	16,294	78.5
TOTAL U.S. Weeks Ended:					
SEP. 16, 1983	13,794	12,804	13,095	16,294	80.4
SEP. 24, 1982	13,415	12,299	12,637	17,382	72.7
DISTRICTS 1–4 Weeks Ended:					
SEP. 23, 1983	11,318	10,237	10,569	13,234	79.9
SEP. 16, 1983	11,549	10,584	10,819	13,234	81.8
SEP. 24, 1982	11,228	10,187	10,495	14,290	73.4

API WEEKLY STATISTICAL BULLETIN
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U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	566	235	331	20	24	264	82
Appal. No. 1	29	12	17	1	--	20	4
DISTRICT 1 TOTAL	595	247	348	21	24	284	86
Appal. No. 2	35	19	16	1	--	18	5
Ind., Ill., Ky.	1,235	523	712	11	68	404	48
Minn., Wis., Daks.	195	134	61	4	17	65	3
Okla., Kans., Mo.	412	256	156	12	13	192	9
DISTRICT 2 TOTAL	1,877	932	945	28	118	679	65
Inland Texas	261	133	128	24	15	102	19
Texas Gulf Coast	1,466	642	824	44	220	721	227
La. Gulf Coast	1,019	419	600	9	225	394	66
N. La. and Ark.	53	27	26	5	--	57	10
New Mexico	35	19	16	17	1	28	2
DISTRICT 3 TOTAL	2,834	1,240	1,594	99	461	1,302	324
DISTRICT 4 TOTAL	215	139	76	11	19	118	6
DISTRICT 5 TOTAL	1,078	447	631	35	252	352	295
TOTAL U.S.	6,599	3,005	3,594	194	874	2,735	776
TOTAL U.S. Weeks Ended:							
SEP. 16, 1983	6,821	3,021	3,800	169	931	2,713	813
SEP. 24, 1982	6,603	N/A	N/A	198	744	2,607	1,168
DISTRICTS 1-4 Weeks Ended:							
SEP. 23, 1983	5,521	2,558	2,963	159	622	2,383	481
SEP. 16, 1983	5,827	2,584	3,243	122	673	2,320	491
SEP. 24, 1982	5,595	N/A	N/A	154	544	2,248	761

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended *SEPTEMBER* 23, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline			Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	6,582●	3,474	3,108●	--	73	605	12,559●	2,152	--
Central Atlantic	29,547●	13,141●	11,790	4,616	199	3,763	39,214●	16,242●	15,360
Lower Atlantic	28,673	14,864	13,490	319	79	3,894	13,609	3,886	575
DISTRICT 1 TOTAL	64,802●	31,479●	28,388●	4,935	351	8,262	65,382●	22,280●	15,935
DISTRICT 2 TOTAL	65,609●	29,896●	29,345●	6,368	1,653	7,858●	39,575●	3,446	16,205
DISTRICT 3 TOTAL	63,928	23,403	21,585	18,940	2,548	11,121	34,962	13,383	55,279
DISTRICT 4 TOTAL	5,781	2,805	1,800	1,176	333	736	2,936	474	2,312
DISTRICT 5 TOTAL	30,011●	10,343	11,566	8,102●	1,747	6,056	11,350	8,717	23,916
TOTAL U.S.	230,131	97,926	92,684	39,521	6,632	34,033	154,205	48,300	113,647
TOTAL U.S. Weeks Ended:									
SEP. 16, 1983	229,304●	98,167●	92,176●	38,961●	6,741	34,434●	149,362●	47,148●	113,107
SEP. 24, 1982	234,015	*N/A*	99,525	*N/A*	5,595	34,657	165,970	57,277	116,456
DISTRICTS 1-4 Weeks Ended:									
SEP. 23, 1983	200,120	87,583	81,118	31,419	4,885	27,977	142,855	39,583	89,731
SEP. 16, 1983	198,818●	87,953●	80,611●	30,254	4,845	28,602●	138,076●	38,686●	88,888
SEP. 24, 1982	206,986	*N/A*	89,680	*N/A*	4,274	28,007	155,449	48,197	91,047

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

● *SEE REVISIONS ON PAGE 7*

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended *SEPTEMBER 23, 1983*

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *API* 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	Daily Average				
DISTRICTS 1-4 TOTAL					
SEP. 23, 1983	5,850.0	5,884.0	4,070	292	263,578
SEP. 16, 1983	5,850.0	--	3,889	282	266,386
SEP. 9, 1983	5,850.0	--	3,858	221	263,559
SEP. 2, 1983	5,836.0	--	3,805	287	266,024
DISTRICT 5 TOTAL					
SEP. 23, 1983	2,860.0	2,833.0	224	7	83,976 *
SEP. 16, 1983	2,860.0	--	129	--	82,998
SEP. 9, 1983	2,860.0	--	497	8	85,422
SEP. 2, 1983	2,812.6	--	231	--	84,547
TOTAL U.S.					
SEP. 23, 1983	8,710.0	8,717.0	4,294	299	347,554 *
SEP. 16, 1983	8,710.0	--	4,018	282	349,384
SEP. 9, 1983	8,710.0	--	4,355	229	348,981
SEP. 2, 1983	8,648.6	--	4,036	287	350,571
SEP. 24, 1982	8,706.1/A	--	4,125	192	346,793

**INCLUDES 28,625 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.*

/A DOE ACTUAL FOR SEPTEMBER 1982.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
SEP. 23, 1983	15,090	74,841	160,578	13,069	263,578	83,976 *	347,554 *
SEP. 16, 1983	16,180	74,274	162,956	12,976	266,386	82,998	349,384
SEP. 24, 1982	18,151	72,097	150,910	11,847	253,005	93,788	346,793

[1]See definitional notes, Page 6.

API WEEKLY STATISTICAL BULLETIN

Week Ended *SEPTEMBER 23, 1983*

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	71	19	52	--	--	58	72	3	--	--	204
Central Atlantic	105	55	50	--	93	176	437	3	150	143	1,107
Lower Atlantic	53	15	38	--	--	--	153	--	--	--	206
DISTRICT 1 TOTAL											
SEP. 23, 1983	229	89	140	--	93	234	662	6	150	143	1,517
SEP. 16, 1983	160	50	110	--	57	189	570	7	71	124	1,178
SEP. 9, 1983	167	80	87	--	34	186	654	11	35	95	1,182
SEP. 2, 1983	184	76	108	--	20	234	550	11	--	152	1,151
DISTRICTS 2-4 TOTAL											
SEP. 23, 1983	2	2	--	--	5	4	64	103	200	17	395
SEP. 16, 1983	4	4	--	--	32	5	15	147	216	12	431
SEP. 9, 1983	--	--	--	--	4	7	--	158	165	31	365
SEP. 2, 1983	2	2	--	--	--	5	35	152	251	14	459
DISTRICT 5 TOTAL											
SEP. 23, 1983	42	34	8	--	3	4	55	8	--	10	122
SEP. 16, 1983	26	18	8	--	3	5	26	11	53	9	133
SEP. 9, 1983	24	16	8	--	--	5	26	18	--	8	81
SEP. 2, 1983	26	18	8	--	2	5	54	18	--	9	114
TOTAL U.S.	273	125	148	--	101	242	781	117	350	170	2,034
TOTAL U.S. Weeks Ended:											
SEP. 16, 1983	190	72	118	--	92	199	611	165	340	145	1,742
SEP. 9, 1983	191	96	95	--	38	198	680	187	200	134	1,628
SEP. 2, 1983	212	96	116	--	22	244	639	181	251	175	1,724
SEP. 24, 1982	160	*N/A*	61	2	7	79	797	140	91	21	1,305

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

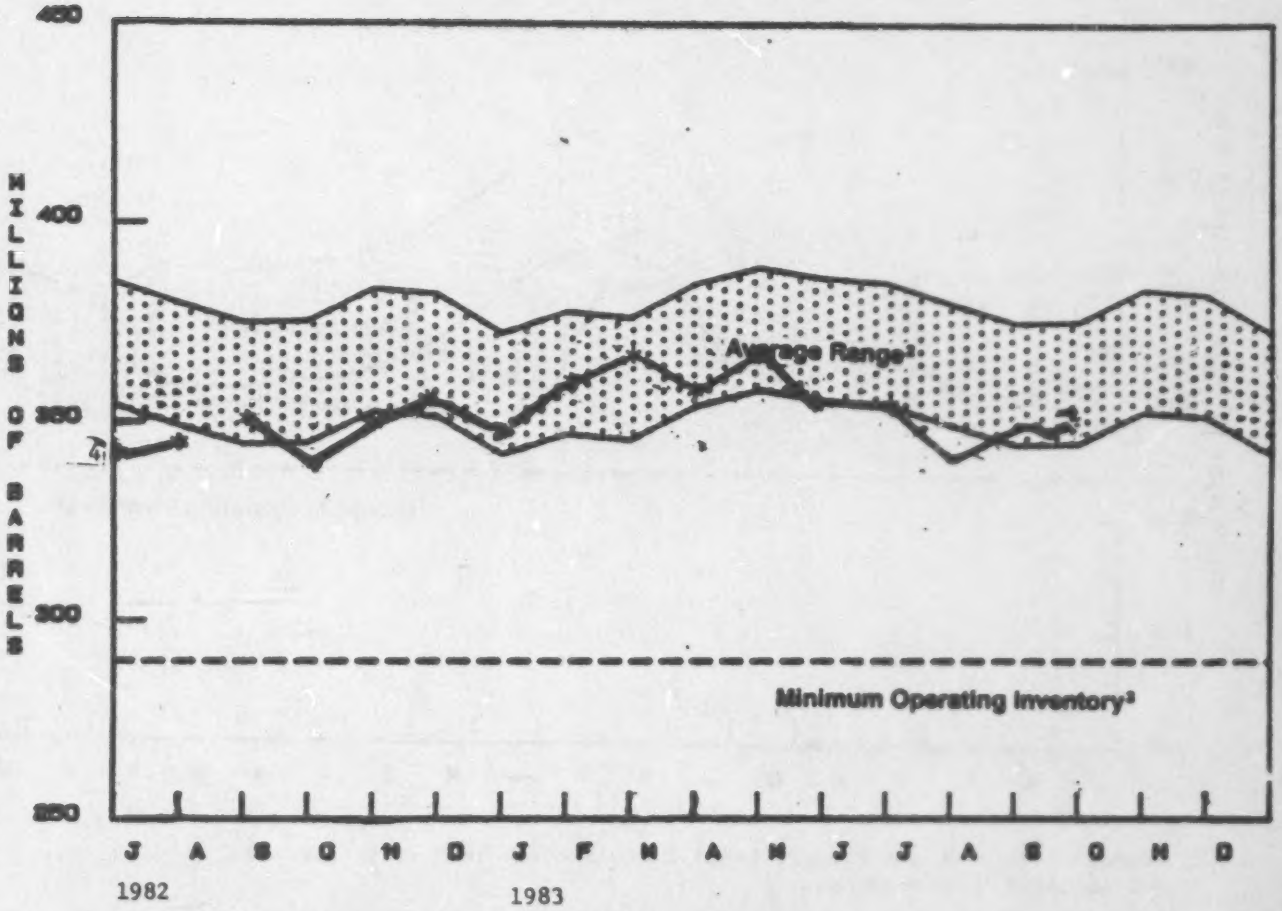
REVISIONS

9/16/83 PAGE 3

TOTAL MGAS	NEW ENGLAND	5,703
	CENTRAL ATLANTIC	30,021
	DISTRICT 1 TOTAL	64,001
	DISTRICT 2 TOTAL	65,816
	DISTRICT 5 TOTAL	30,486
	TOTAL U.S.	229,304
	DISTRICTS 1-4	198,818
LEADED MGAS	CENTRAL ATLANTIC	12,750
	DISTRICT 1 TOTAL	30,372
	DISTRICT 2 TOTAL	30,817
	TOTAL U.S.	98,167
	DISTRICTS 1-4	87,953
UNLEADED MGAS	NEW ENGLAND	2,558
	DISTRICT 1 TOTAL	28,276
	DISTRICT 2 TOTAL	28,596
	TOTAL U.S.	92,176
	DISTRICTS 1-4	80,611
BLENDING COMPS	DISTRICT 5 TOTAL	8,707
	TOTAL U.S.	38,961
KEROSINE JET	DISTRICT 2 TOTAL	7,563
	TOTAL U.S.	34,434
	DISTRICTS 1-4	28,602
DISTILLATE FUEL	NEW ENGLAND	12,148
	CENTRAL ATLANTIC	37,131
	DISTRICT 1 TOTAL	63,231
	DISTRICT 2 TOTAL	37,682
	TOTAL U.S.	149,362
	DISTRICTS 1-4	138,076
RESIDUAL FUEL	CENTRAL ATLANTIC	15,931
	DISTRICT 1 TOTAL	21,892
	TOTAL U.S.	47,148
	DISTRICTS 1-4	38,686

Week Ended September 23, 1983

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

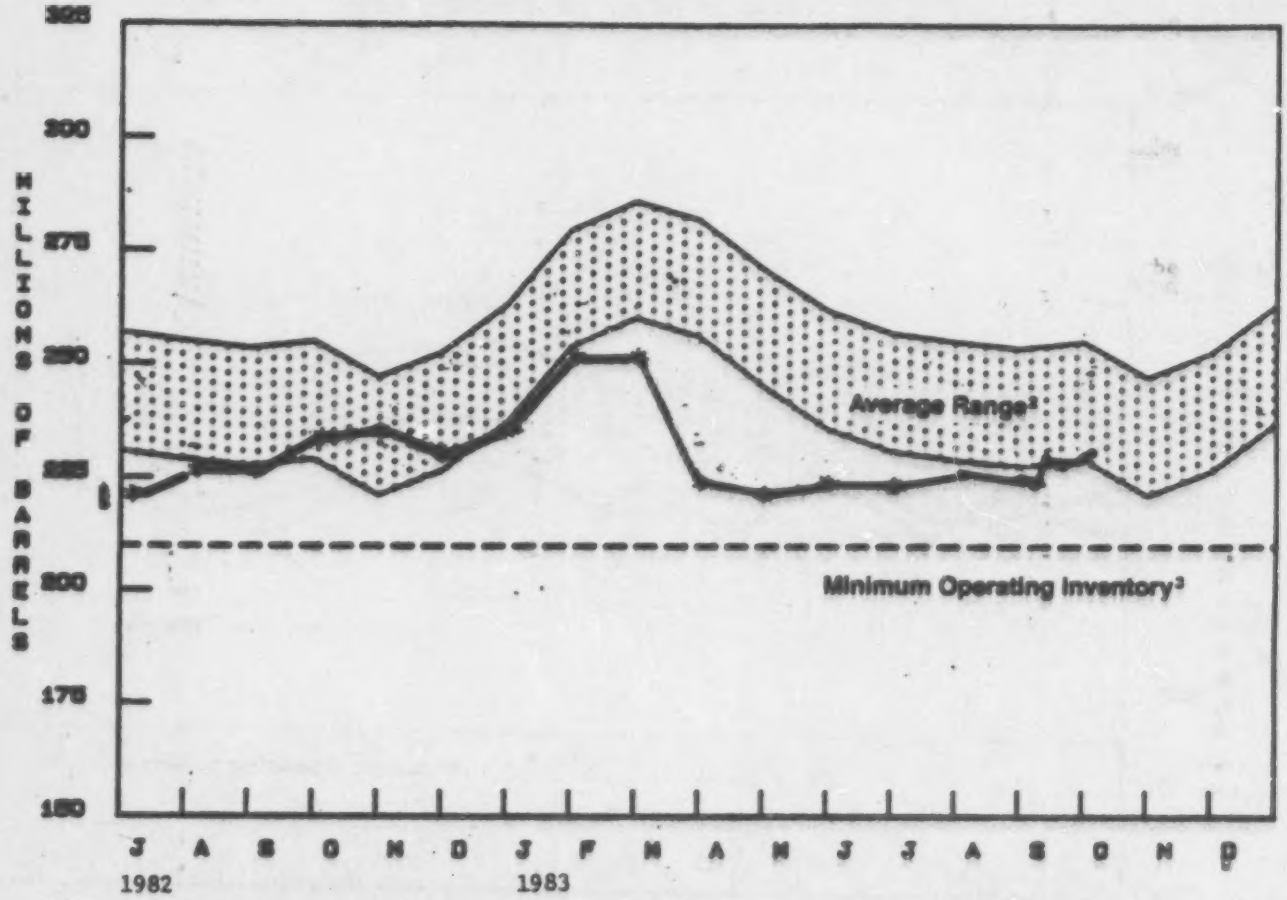
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended September 23, 1983

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

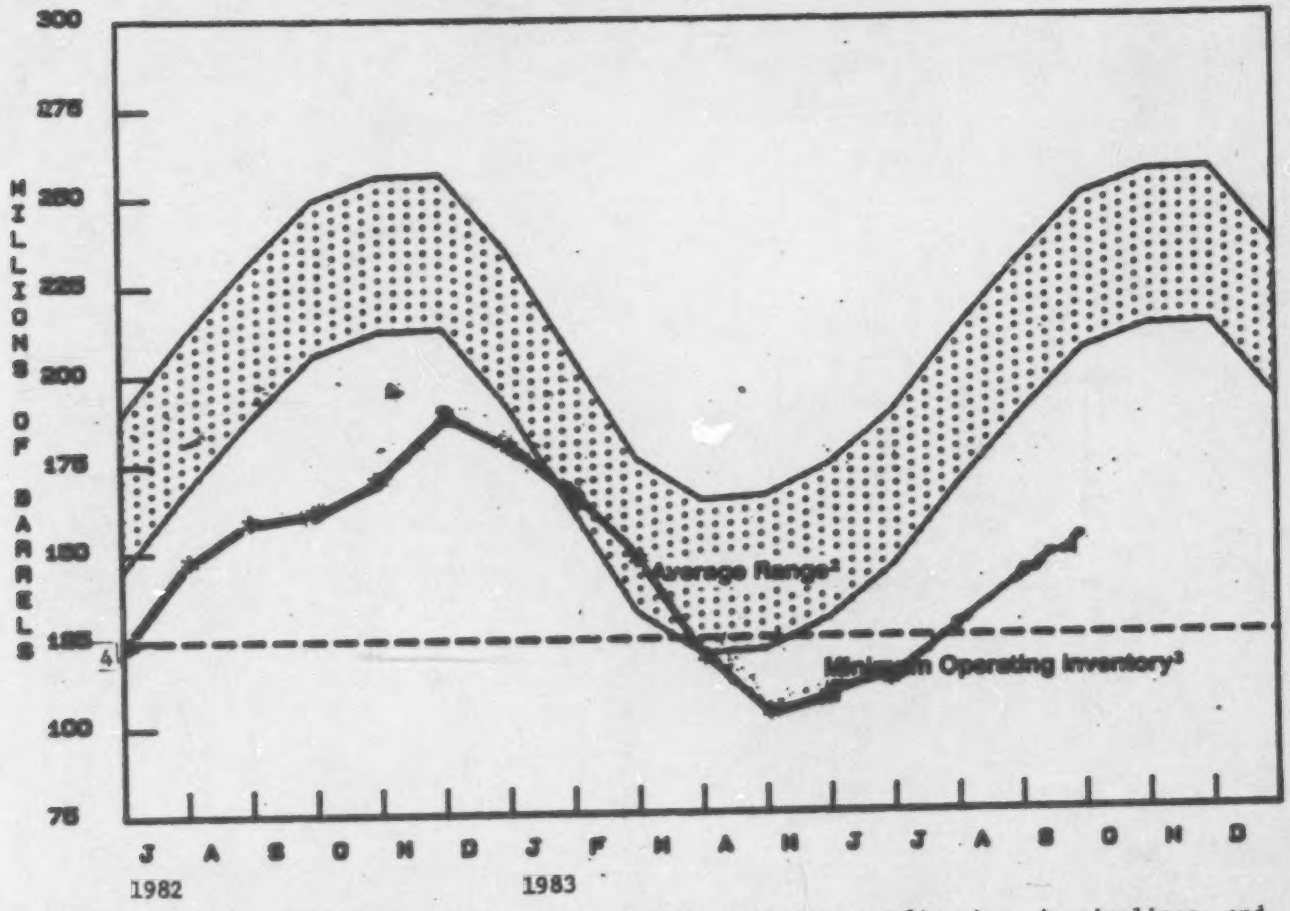
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: ⁂ EIA, Energy Data Reports, "Petroleum Statement, Monthly."
⁂ API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.